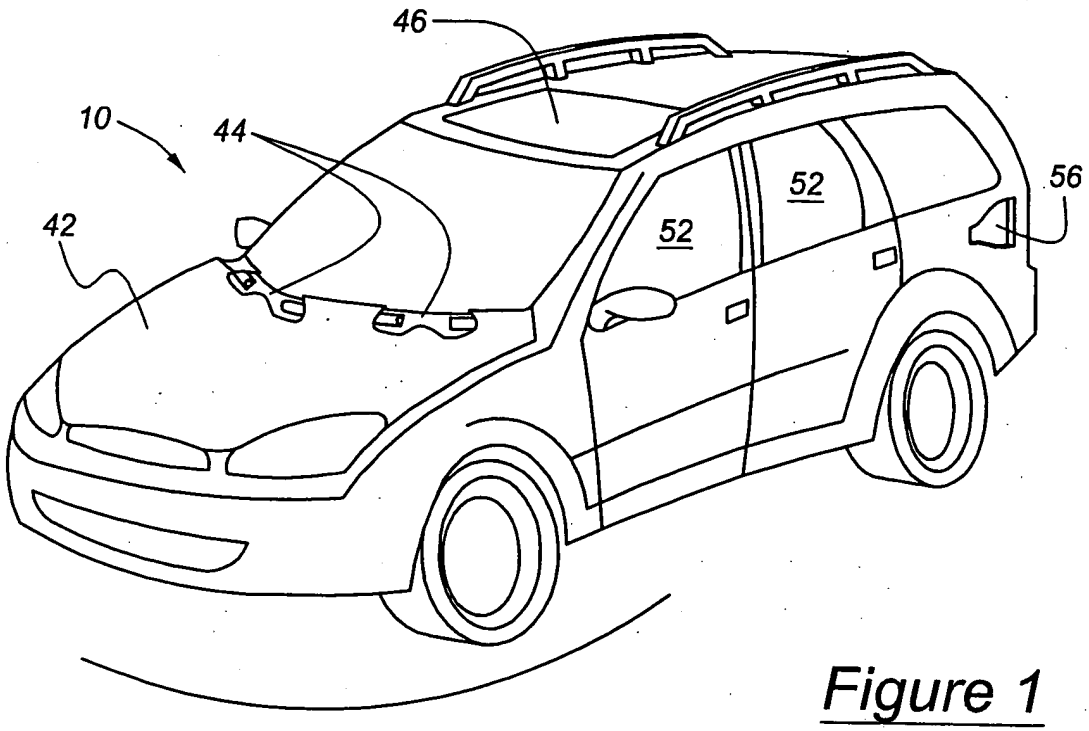


Figure 1

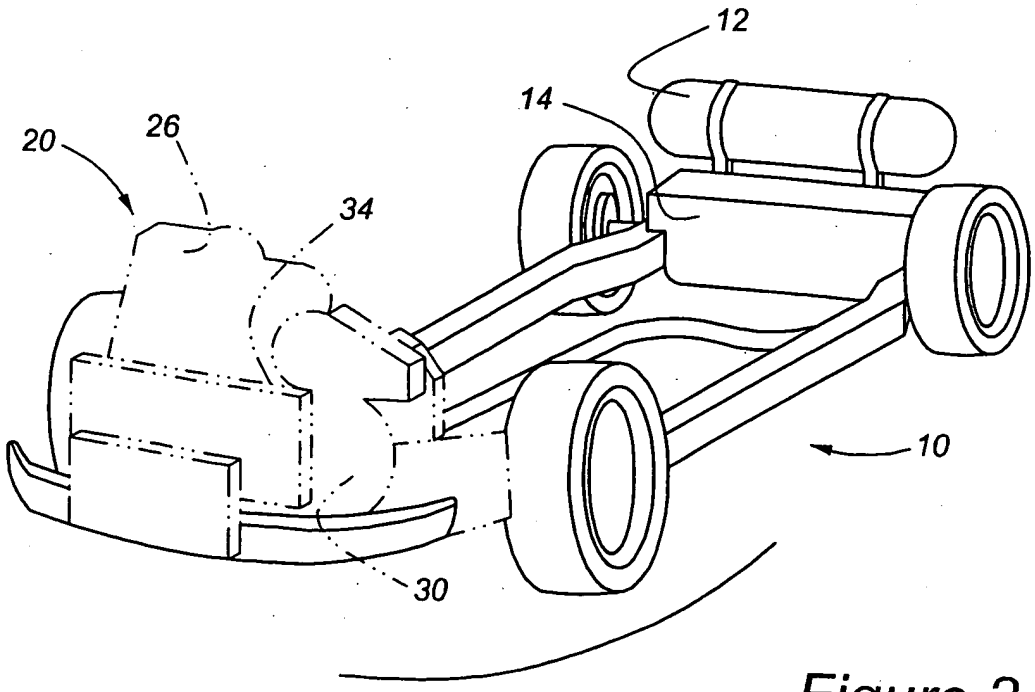


Figure 2

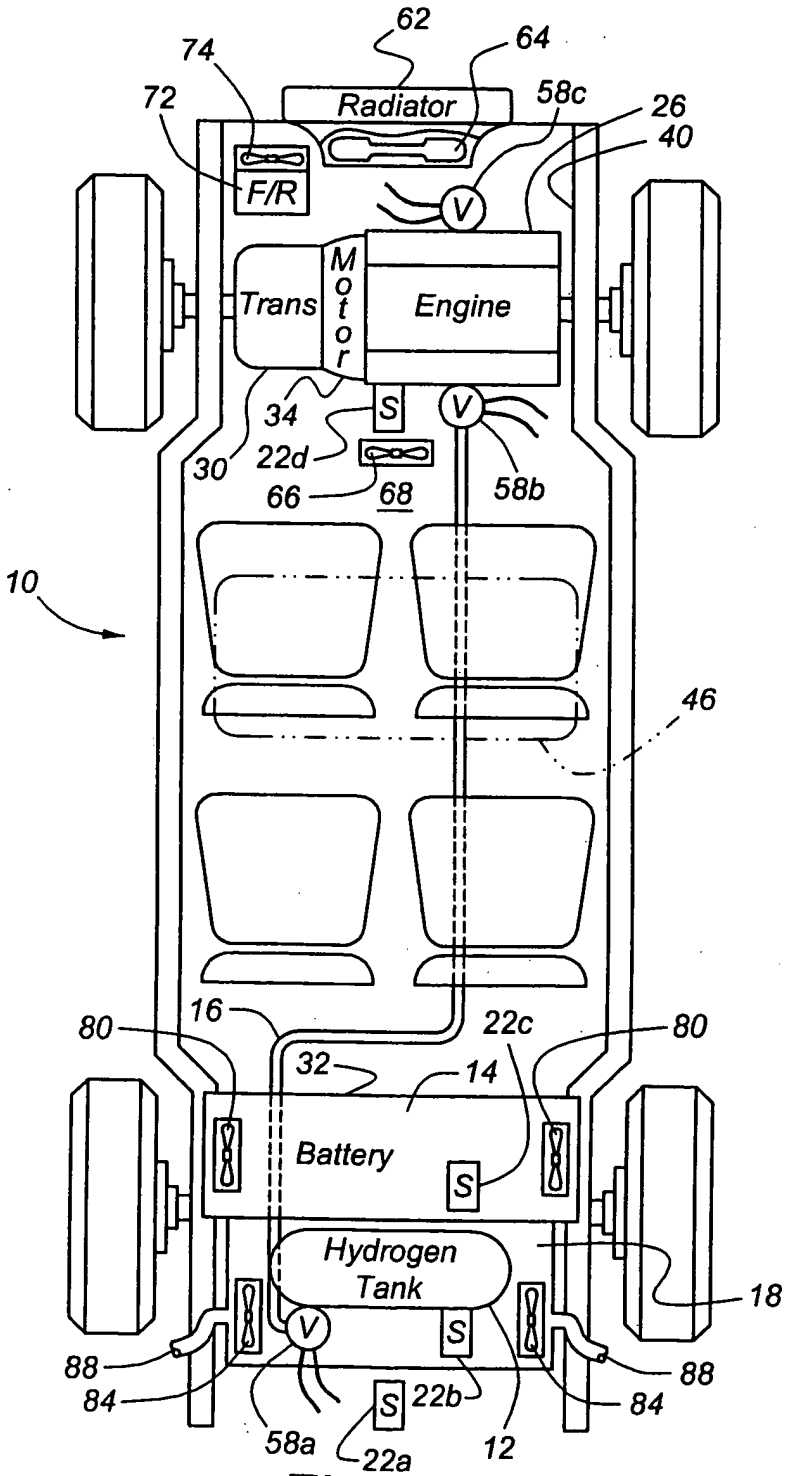

62
74
64
72
Radiator
58c
26
40
F/R
V
Trans
Motor
Engine
34
S
V
30
22d
66
68
58b
10
46
16
80
22c
80
32
14
Battery
S
Hydrogen
Tank
18
V
S
S
88
84
58a
22a
S
22b
12
84
88

Figure 3

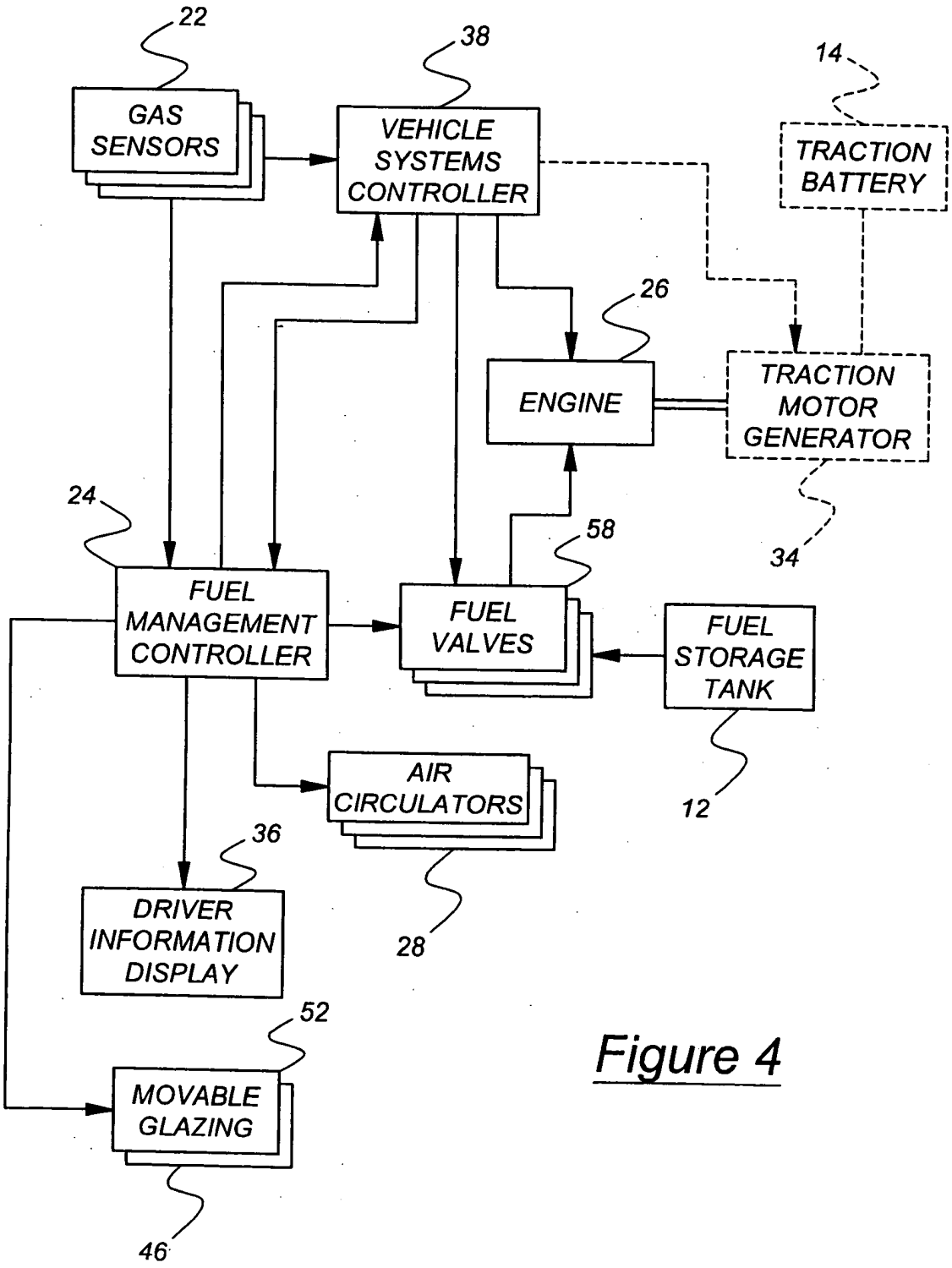
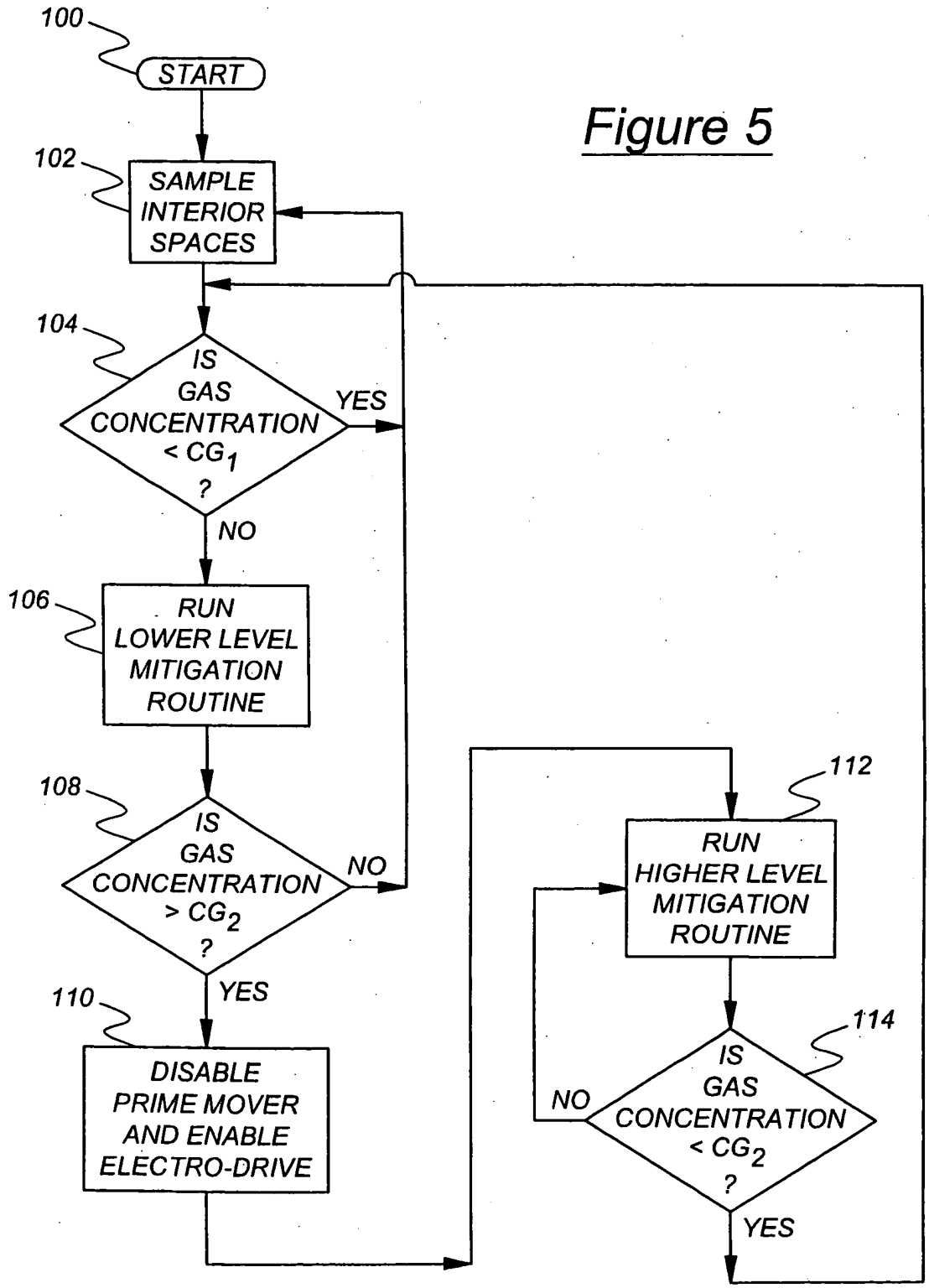

22
GAS SENSORS
38
VEHICLE SYSTEMS CONTROLLER
14
TRACTION BATTERY
26
ENGINE
TRACTION MOTOR GENERATOR
34
24
FUEL MANAGEMENT CONTROLLER
58
FUEL VALVES
FUEL STORAGE TANK
12
AIR CIRCULATORS
28
36
DRIVER INFORMATION DISPLAY
52
MOVABLE GLAZING
46

Figure 4

Figure 5


100
START
102
SAMPLE INTERIOR SPACES
104
IS GAS CONCENTRATION < CG_1 ?
YES
NO
106
RUN LOWER LEVEL MITIGATION ROUTINE
108
IS GAS CONCENTRATION > CG_2 ?
NO
YES
110
DISABLE PRIME MOVER AND ENABLE ELECTRO-DRIVE
112
RUN HIGHER LEVEL MITIGATION ROUTINE
114
IS GAS CONCENTRATION < CG_2 ?
NO
YES